

## ABSTRACT OF THE DISCLOSURE

The present invention provides methods for testing compounds to determine whether such compounds are useful for improving treatment of wounds in animals, particularly diabetic animals, and improving diabetic neuropathy or neurological disorders associated with diabetes. The invention also provides methods for characterizing compounds, particularly aldose reductase inhibitors, that are useful in improving wound healing in diabetic animals or improving diabetic neuropathy or neurological disorders associated with diabetes. In addition, the invention relates to methods for improving wound healing and improves diabetic neuropathy or neurological disorders associated with diabetes in diabetic animals using aldose reductase inhibitors.